Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	34	501/57,58,65.ccls. and (SiO2 or "SiO. sub.2" or SiO2 or "SiO.sub.2" or silica or silicon or quartz) and (B2O3 or "B. sub.2 O.sub.3" or B2O3 or "B.sub.2 O. sub.3" or boron or borio or boro or boron) and (K2O or "K.sub.2 O" or K2O or "K.sub.2 0" or potash or potassium) and (ZrO2 or "ZrO.sub.2" or ZrO2 or "ZrO.sub.2" or zirconium or zirconia) and (Li2O or "Li.sub.2 O" or Li2O or "Li.sub.2 O" or Li2O or "Li.sub.2 O" or Na2O or "Na.sub.2 O" or sodo or soda or sodium) and (MgO or MgO or MgO or Magnesium) and (CaO or CaO or calcium or calico or calcia or lime) and (BaO or BaO or barium or baria) and (ZnO or ZnO or zinc) and (TiO2 or "TiO.sub.2" or TiO2 or "TiO.sub.2" or titania or titanium) and (CeO2 or "CeO.sub.2" or CeO2 or "CeO.sub.2" or Ce2O3 or "Ce.sub.2 O.sub.3" or "Ce. sub.2O.sub.3" or Cesub.2 O.sub.3" or cerium or ceria) and (Fluorine or F- or "F.sup" or fluoride)	US-PGPUB; USPAT	OR	ON	2005/11/25 16:39
L2	171	501/57,58,65.ccls. and (SiO2 or "SiO. sub.2" or SiO2 or "SiO.sub.2" or silica or silicon or quartz) and (B2O3 or "B. sub.2 O.sub.3" or B2O3 or "B.sub.2 O. sub.3" or boron or borio or boro or boron) and (K2O or "K.sub.2 O" or K2O or "K.sub.2 O" or potash or potassium) and (ZrO2 or "ZrO.sub.2" or ZrO2 or "ZrO.sub.2" or zirconium or zirconia) and (Li2O or "Li.sub.2 O" or Li2O or "Li.sub.2 O" or Li2O or "Na.sub.2 O" or Na2O or "Na.sub.2 O" or sodo or soda or sodium)	US-PGPUB; USPAT	OR	ON	2005/11/25 21:09
L3	202	501/57,58,65.ccls. and (SiO2 or "SiO. sub.2" or SiO2 or "SiO.sub.2" or silica or silicon or quartz) and (B2O3 or "B. sub.2 O.sub.3" or B2O3 or "B.sub.2 O. sub.3" or boron or borio or boro or boron) and (K2O or "K.sub.2 O" or K2O or "K.sub.2 0" or potash or potassium) and (ZrO2 or "ZrO.sub.2" or ZrO2 or "ZrO.sub.2" or zirconium or zirconia)	US-PGPUB; USPAT	OR	ON	2005/11/25 21:09

L5	1115	(borosilicate adj glass) and (SiO2 or "SiO.sub.2" or SiO2 or "SiO.sub.2" or silica or silicon or quartz) and (B2O3 or "B.sub.2 O.sub.3" or B2O3 or "B. sub.2 O.sub.3" or boron or borio or boro or boron) and (K2O or "K.sub.2 O" or K2O or "K.sub.2 O" or potash or potassium) and (ZrO2 or "ZrO.sub.2" or ZrO2 or "ZrO.sub.2" or zirconium or zirconia)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/25 16:39
L6	82	(borosilicate adj glass) and (SiO2 or "SiO.sub.2" or SiO2 or "SiO.sub.2" or silica or silicon or quartz) and (B2O3 or "B.sub.2 O.sub.3" or B2O3 or "B. sub.2 O.sub.3" or boron or borio or boro or boron) and (K2O or "K.sub.2 O" or K2O or "K.sub.2 O" or potash or potassium) and (ZrO2 or "ZrO.sub.2" or ZrO2 or "ZrO.sub.2" or zirconium or zirconia)	EPO; JPO; DERWENT	OR	ON	2005/11/25 16:39
L7	48	501/57,58,65.ccls. and (SiO2 or "SiO. sub.2" or SiO2 or "SiO.sub.2" or silica or silicon or quartz) and (B2O3 or "B. sub.2 O.sub.3" or B2O3 or "B.sub.2 O. sub.3" or boron or borio or boro or boron) and (K2O or "K.sub.2 O" or K2O or "K.sub.2 O" or potassium) and (ZrO2 or "ZrO.sub.2" or ZrO2 or "ZrO.sub.2" or zirconium or zirconia)	USOCR	OR	ON	2005/11/25 16:40
L8	137	I2 not I1	US-PGPUB; USPAT	OR	ON	2005/11/25 23:46
L9	168	l3 not l1	US-PGPUB; USPAT	OR	ON	2005/11/25 23:30
L10	0	12 not 13	US-PGPUB; USPAT	OR	ON	2005/11/25 23:30
L11	1	"5017521".pn.	US-PGPUB; USPAT	OR	ON	2005/11/25 23:47
L12	1	"3499776".pn.	US-PGPUB; USPAT	OR	ON	2005/11/25 23:48

	I	2	3	4	5	9	
				I	I	I	
Mol %	Optical Glass						Mol %
comprising	X	×	X	:			
B203	X	×	15-40				B2O3
SiO2	X	×	38436				SiO2
La203	X	×	5-20	contains			La2O3
Gd2O3	X	X	5-20	contains			Gd2O3
ZnO	X	X	2-35		1 5 4		ZnO
Li20	X	X	0.5-15				Li2O
ZrO2	X	X	0.5-15				ZrO2
Ta205	X	X	0.2-10		:		Ta2O5
WO3			0-15				WO3
Y203	4.		8-0	contains			Y2O3
Yb2O3			8-0	contains			Yb2O3
Sb2O3	0-1	0-1	0-1				Sb2O3
PbO	S. None	S. None	S. None				PbO
Lu203	S. None	S. None	S. None				Lu2O3
N62O5			optional		12.7		Nb2O5
BaO			optional				BaO
GeO2	**		optional				GeO2
Sc203			a a a a a a a a a a a a a a a a a a a	contains			Sc2O3
La+Gd+Yb+Y+Sc				12-32			La+Gd+Yb+Y+Sc
La/La+Gd+Yb+Y+Sc				0.35-0.66			La/La+Gd+Yb+Y+Sc
Total listed above			%\$6<		1. 20 1. 2		Total listed above
Tg	>=630°C	<=630°C	J₀0£9=>				Tg
Nd	>1.8-1.9	>1.85	6:1-8:1<				PN
Vď	>35-50	>35	>35-50				PΛ
nd = 2.025 - (0.005x vd)	X		X				nd>=2.025-(0.005x vd)
Preform	3				X		Preform
Optical element						X	Optical element